

1/25

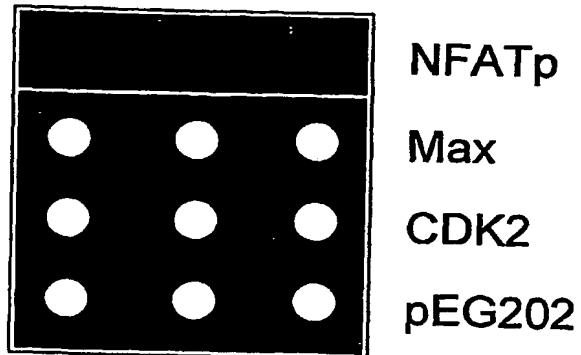


Fig. 1

NIP45 HA	-	+	+
NFATp	+	-	+
anti-NFATp			
anti-HA			
anti-HA (Lysate)			

Fig. 2

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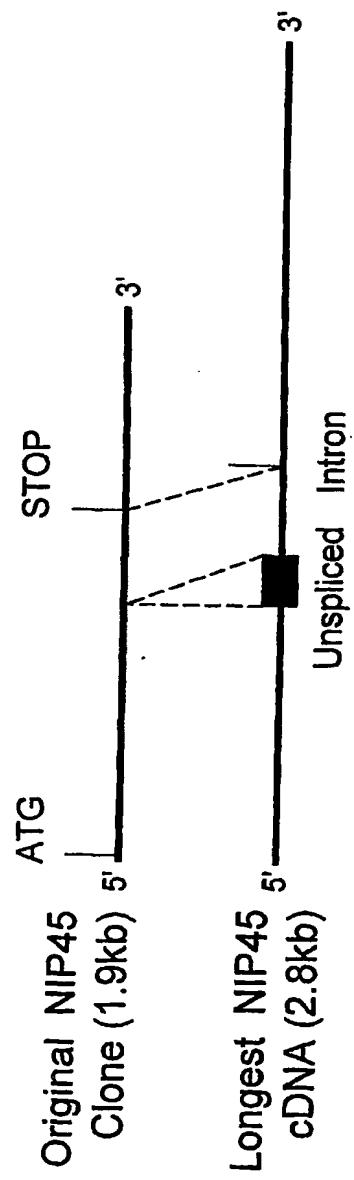


Fig. 3

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ACAGTGTGGGAGATGGCGGAACCACGTAGGGGACGTGGTCCGAGGTCC TGTACACCCCTCTACCGCCTGGTACTCCCCTGCACCAGGCTCCAGG	48
<u>M A E P L R G R, G P R S</u>	12
CGCGGTGGCCGAGGCCTCGGAGAGCCCGAGGCGCCCGTGGCCGGTGT GCGCCACC GGCTCCCGAGCCTCTCGGGCTCCGGCACCGGCCACA	96
<u>R G G R G A R R A R G A R G R C</u>	28
CCTCGCGCCCGGCAGTCTCCGGCTAGGCTCATTCAGACACCGTGCTT GGAGCGCGGGCCGTCAAGAGGCCGATCCGAGTAAGGTCTGTGGCACGAA	144
<u>P R A R Q S P A R L I P D T V L</u>	44
GTGGACTTGGTCAGTGACAGCGACGAAGAGGTCTTGAAGTCGCAGAC CACCTGAACCAGTCAGTGCTGCTCTCCAGAACCTTCAGCGTCTG	192
<u>V D L V S D S D E E V L E V A D</u>	60
CCAGTAGAGGTGCCGGTCGCCGCCTCCCCGCGCCGGCTAAACCTGAG GGTCATCTCCACGGCCAGCGGGCGGAGGGGCGCGGCCGATTGGACTC	240
<u>P V E V P V A R L P A P A K P E</u>	76
CAGGACAGCGACAGTGACAGTGAAAGGGGCGGCCGAGGGGCCTGCGGG GTCCTGTCGCTGTCAGTGCACTTCCCCGCCGGCTCCCCGGACGCCCT	288
<u>Q D S D S D S E G A A E G P A G</u>	92
GCCCCCGCGTACATTGGTGCACGGCGGCCGGCGGCTGGATCCC CGGGGGCGCATGTAACCACGCTGCCGCCGCCGACGACCTAGGG	336
<u>A P R T L V R R R R R R L L D P</u>	108
GGAGAGGGCGCCGGTGGTCCCAGTGTACTCCGGAAAGGTACAGAGCAGC CCTCTCCGCCGCCACCAGGGTCACATGAGGCCCTCCATGTCTCGTCG	384
<u>G E A P V V P V Y S G K V Q S S</u>	124
CTAACACCTCATCCAGATAATTCATCCCTCTTGAAACTGTGCCCTCA GAGTTGGAGTAAGGTCTATTAAGTAGGGAGAACTTGTACACGGGAAGT	432
<u>L N L I P D N S S L L K L C P S</u>	140
GAGCCTGAAGATGAGGCAGATCTGACAAATTCTGGCAGTTCTCCCTCT CTCGGACTTCTACTCCGTCTAGACTGTTAAGACCGTCAAGAGGGAGA	480
<u>E P E D E A D L T N S G S S P S</u>	156

Fig. 4A

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GAGGATGATGCCCTGCCTTCAGGTTCCCTGGAGAAAGAAGCTCAGA	528
CTCCTACTACGGGACGGAAGTCCAAGAGGGACCTCTTCTCGAGTCT	
E D D A L P S G S P W R K K L R	172
AAGAAGTGTGAGAAAGAAGAAAAGAAAATGGAAGAGTTCCGGACCAG	576
TTCTTCACACTCTTCTTCTTACCTCTCAAAGGCCTGGTC	
K K C E K E E K K M E E F P D Q	188
GACATCTCTCCTTGCCCCAACCTCGTCAAGGAACAAAAGCAGAAAG	624
CTGTAGAGAGGAAACGGGGTTGGAAGCAGTCCTGTTCGTCTTC	
D I S P L P Q P S S R N K S R K	204
CATA CGGAGGCGCTCCAGAACGTAAGGGAAGTGAACAAGCGTCTCAA	672
GTATGCCTCCCGCAGGTCTCGATTCCCTCACTGTTCGCAGAGGTT	
H T E A L Q K L R E V N K R L Q	220
GATCTCCGCTCCTGCCTGAGCCCCAACGCAGCACAGAGTCCAGCCCTT	720
CTAGAGGCGAGGACGGACTCGGGGTTCGTCGTGGTCTCAGGTCGGGAA	
D L R S C L S P K Q H Q S P A L	236
CAGAGCACAGATGATGAGGTGGTCCTAGTGGAAAGGGCTGTCTGCCA	768
GTCTCGTGTCTACTACTCCACCAAGGATCACCTCCGGACAGAACGGT	
Q S T D D E V V L V E G P V L P	252
CAGAGCTCTGACTCTTACACTCAAGATCCGGTGCCGGCTGACCTA	816
GTCTCGAGAGCTGAGAAATGTGAGTTAGGCCACGGCCGACTGGAT	
Q S S R L F T L K I R C R A D L	268
GTGAGACTGCCTGTCAGGATGTCGGAGCCCCTTCAGAATGTGGTGGAT	864
CACTCTGACGGACAGTCCTACAGCCTGGGGAAAGTCTTACACCCACCTA	
V R L P V R M S E P L Q N V V D	284
CACATGGCCAATCATCTTGGGGTGTCTCAAACAGGATTCTTGCTT	912
GTGTACCGGTTAGTAGAACCCACAGAGGTTGTCTAACAGAAAACGAA	
H M A N H L G V S P N R I L L L	316
TTTGGAGAGAGTGAACGTCTCCTACTGCCACCCCTAGTACCCCTAAAG	960
AAACCTCTCACTTGACAGAGGATGACGGTGGGATCATGGGATTTC	
F G E S E L S P T A T P S T L K	316

Fig. 4B

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CTTGGAGTGGCTGACATCATTGATTGTGTGGTGCTAGCAAGCTTTCA GAACCTCACCGACTGTAGTAACAAACACACCACGATCGTCGAGAAGT L G V A D I I D C V V L A S S S	1008 332
GAGGCCACAGAGACATCCCAGGGAGCTCCGGCTCCGGGTGCAGGGGAAG CTCCGGTGTCTCTGTAGGGTCTCGAGGCCGAGGCCACGTCCCCTTC E A T E T S Q E L R L R V Q G K	1056 348
GAGAACACCAAGATGTTGGAGATCTCACTGTCTCCTGATTCTCCTCTT CTCTTGTTGGTCTAACACCTCTAGAGTGACAGAGGACTAACAGAGGAGAA E K H Q M L E I S L S P D S P L	1104 364
AAGGTTCTCATGTCACACTATGAGGAAGCCATGGGACTCTCTGGACAC TTCCAAGAGTACAGTGTGATACTCCTCGGTACCCCTGAGAGACCTGTG K V L M S H Y E E A M G L S G H	1152 380
AAGCTCTCCTTCTTGTGGACAAAGCTTCAGGCAAGGAGCTG TTCGAGAGGAAGAAGAAACTACCCTGTTGAAAGTCCGTTCTCGAC K L S F F D G T K L S G K E L	1200 396
CCAGCTGATCTGGGCCTGGAATCCGGAGATCTCATCGAAGTCTGGGGC GGTCGACTAGACCCGGACCTAGGCCTCTAGAGTAGCTCAGACCCCG P A D L G L E S G D L I E V W G	1248 412
TGAAGCTCTCACCCCTGTCGGACGCAAAGCCAAGACATGGAGACAATA ACTTCGAGAGTGGGACAAGCCTGCGTTCTGTACCTCTGTTAT	1296
GCTCCAATTTATTATTGTGATTTCTGCCCTAAAGGGCTAACAGA CGAGGGTTAAAATAATAACACTAAAAGCGGGGTATTCCGATTGTCT	1344
AACTGAATTAGAACTTGTACTTATTCTGGTGCTGGGGATTG TTGACTTAATCTGAACAAATGAATAAAAGACCAACGACCCCTAAC	1392
AACCCCAGACTATGCACATGCTAAGGATGTATGAAGTGGAGGCAAAAC TTGGGGTCTGATACGTGTACGATTCTACATACTCACCTCCGTTTG	1440
CAAGGCATTACCTTAGCCAGCCTCTAGTAGACTGTAGTGTCAAGCAA GTTCCGTAATGGAAATCGGTGGAGATCATCTGACATCACAGTCGTT	1488

Fig. 4C
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GTGGCTACTTGGTAGTTGTGGCTCTGTATGTTGTGCTGTATTT CACCGATGAACCACATCAACACACACCCGAGACACATAACAAACACGACATAAA	1536
GGCAGCCCCTGGGGCACATAGAAGGGACCTTGGCTTCCCTACCATTTC CCGTCGGGGACCCCGTGTATCTTCCCTGGAACCGAAGGGATGGTAAAG	1584
ACGTTCGCTGGTGCCCTTCCTTCATCAGATGACTTCTGTGAAGCTGC TGCAAGCGACCACGGAAAGGAAGTAGTCTACTGAAGACACTTCGACG	1632
CTATGTTGAGTGTGTTGAACTAAATGAGCTCTGCTTGGGTGTCCAGG GATACAACACTCACACAACTTGATTACTCGAGACGAAACCCACAGGTCC	1680
CCTGGGGTTTGTGCCGCAGTGGAGCCAGCAGTGACTTCACTCTGACT GGACCCCAAACACGGCGTCAACCTCGGTCGTCACTGAAGTGAGACTGA	1728
TGGGACTGAGAATGCATTCTGGTGGAGACACTCGGGTGCAGAAATA ACCCTGACTCTTACGTAAAGGACCACCTCTGTGAGCCCACGTCTTAT	1776
TAACAGAAGGTGACATACATGCTGAAGCTGAGGACTAGGTCGAAAGTT ATTGTCTTCACTGTATGTACGACTTCGACTCCTGATCCAGCTTCAA	1824
AACGACGTTGCATTTCAGCCTGGGTATCCTCTGCCTGCCAGGAC TTGCTGCAACGTAAAAGTCGGAACCCATAGGAGAGACGGACGGTCCTG	1872
TCTAGCCAGTGTCTGGTACACACTTCTGGCATGGACACCTAGGTCGA AGATCGGTCACAGACCATGTGTGAAGAACCGTACCTGTGGATCCAGCT	1920
CGCGGGCGCGATTGGCCGACTCGAG GCGCCCGCGCTAACGCCGCTGAGCTC	1946

Fig. 4D

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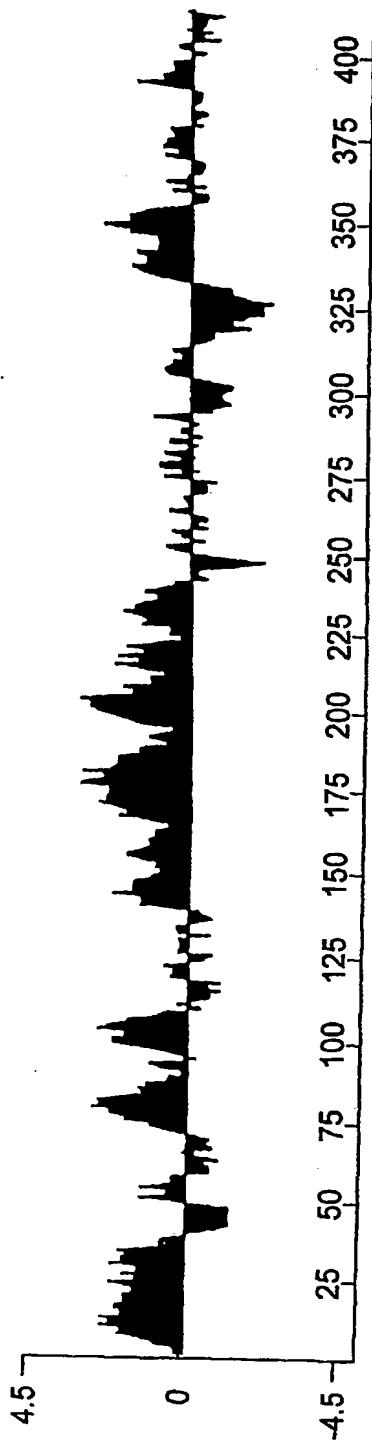


Fig. 5

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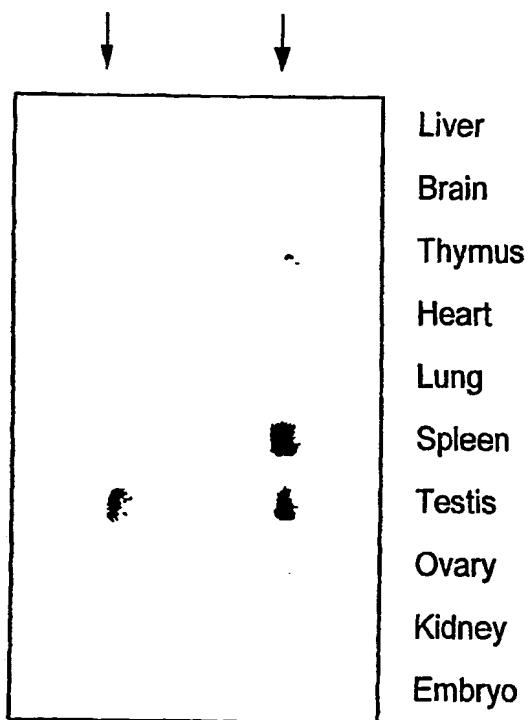


Fig. 6

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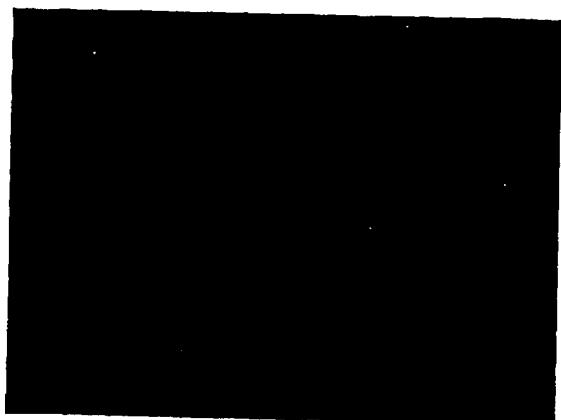


Fig. 7A



Fig. 7B

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Fig. 7C



Fig. 7D

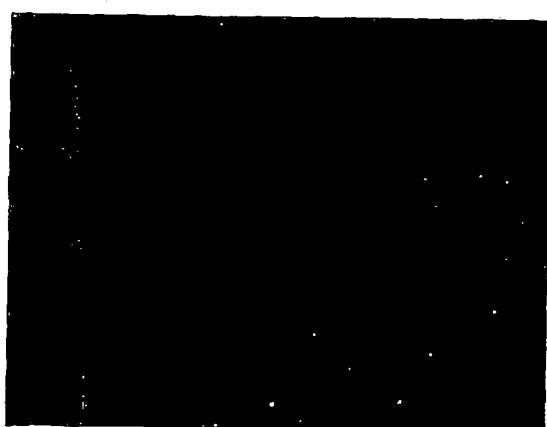
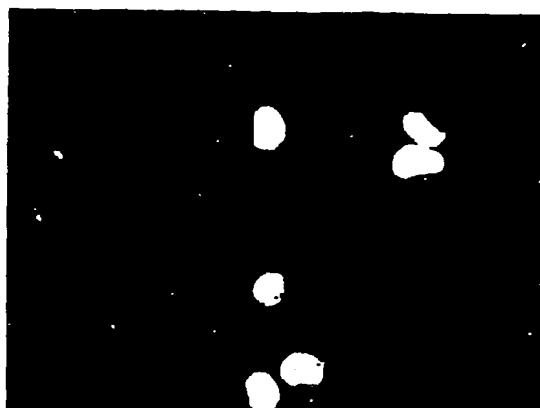
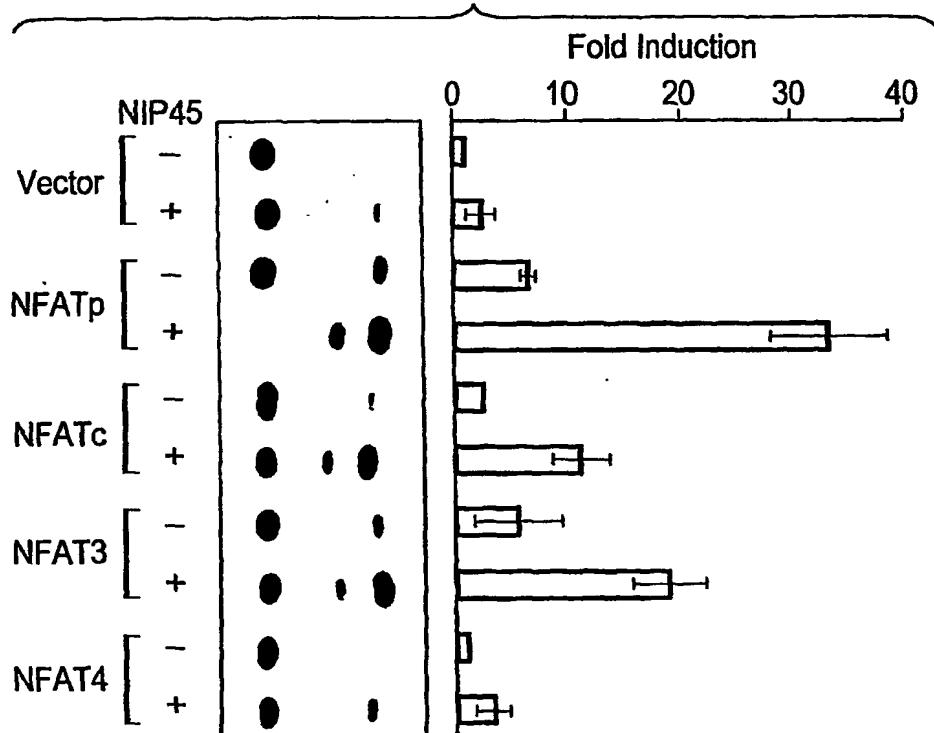


Fig. 7E

Fig. 7F

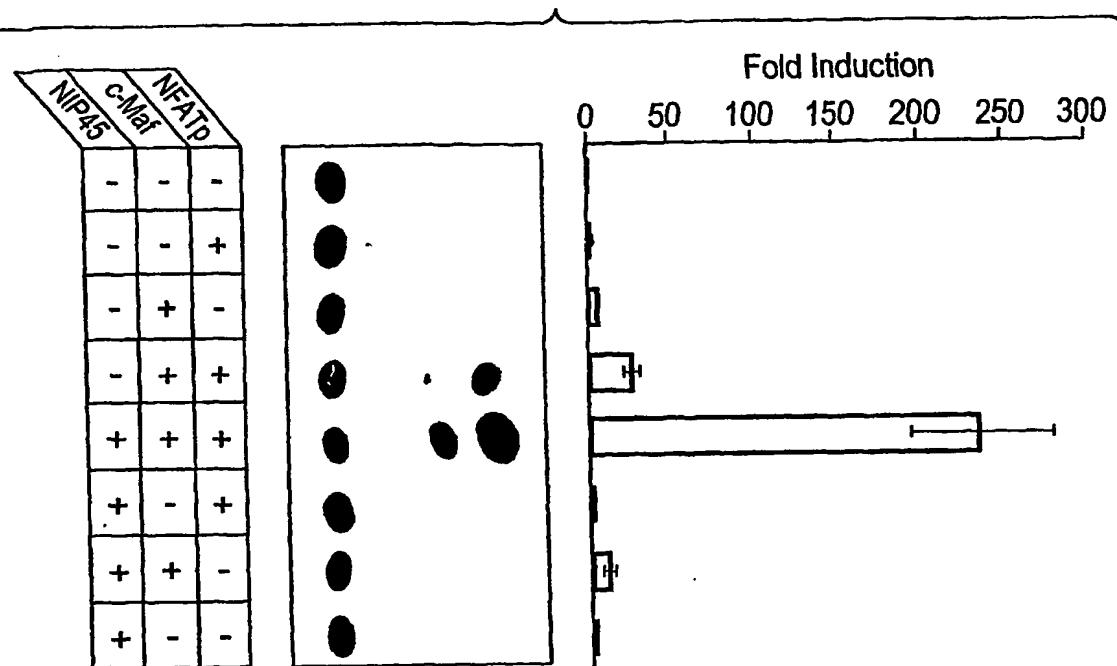
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Fig. 8



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Fig. 9



IL-4 CONCENTRATION

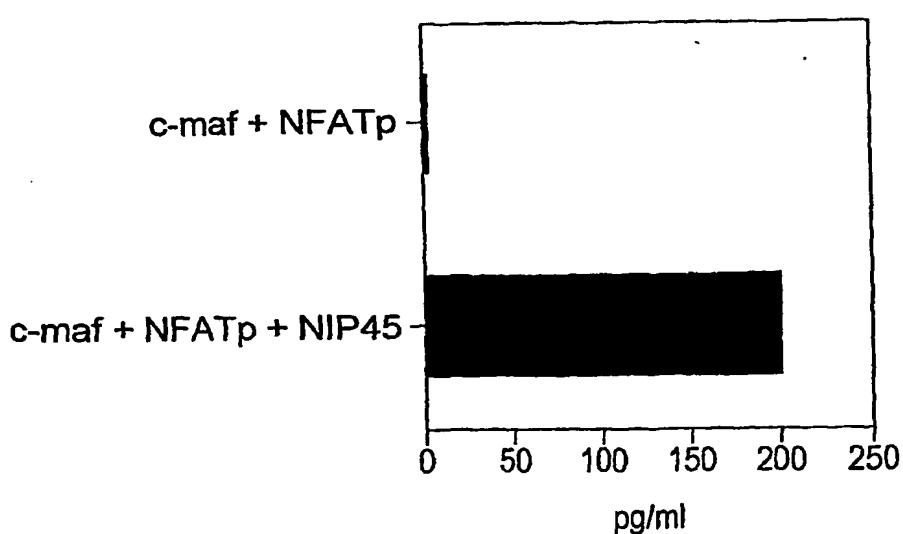


Fig. 10

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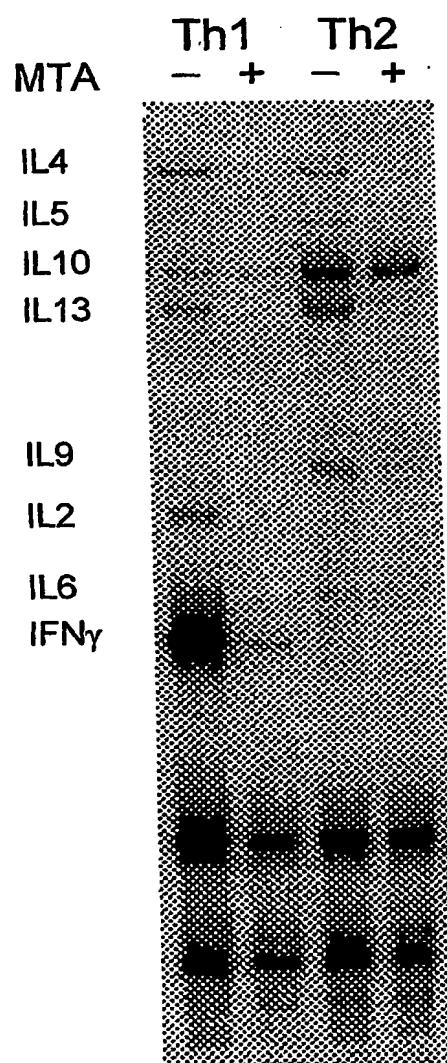


Fig. 11A

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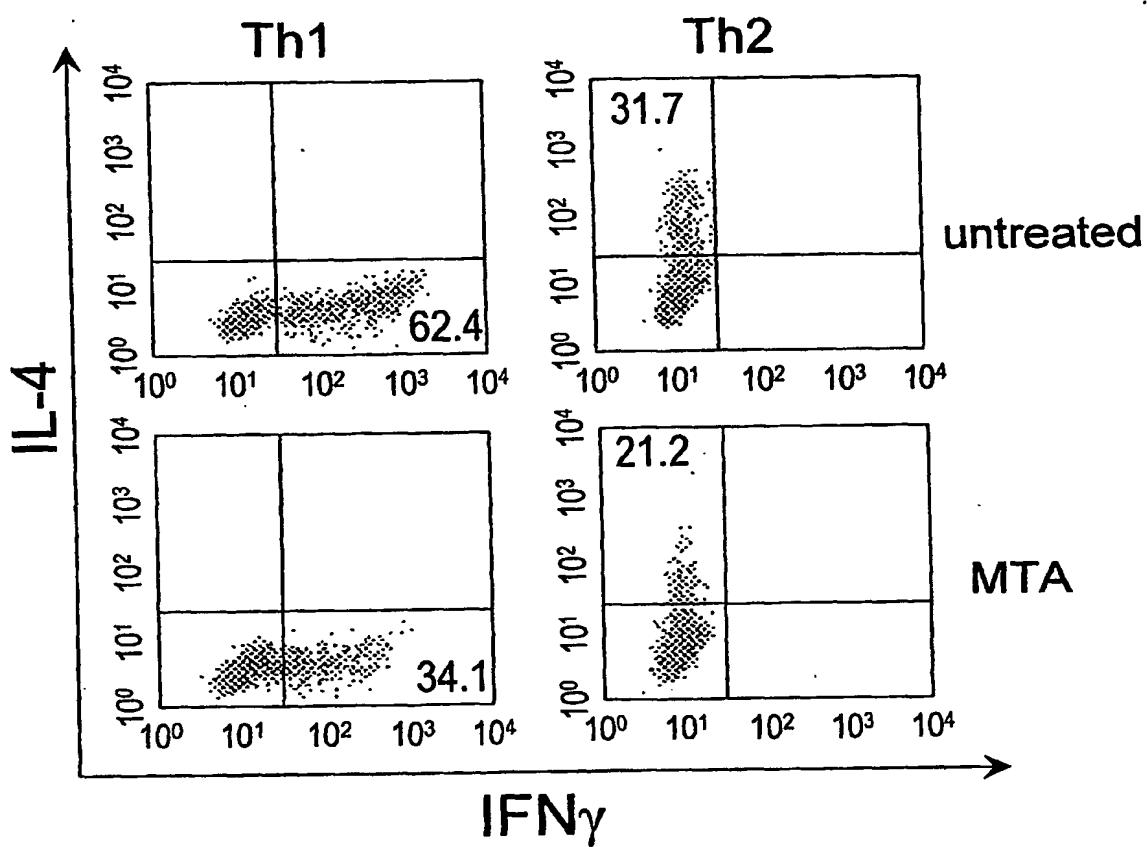


Fig. 11B

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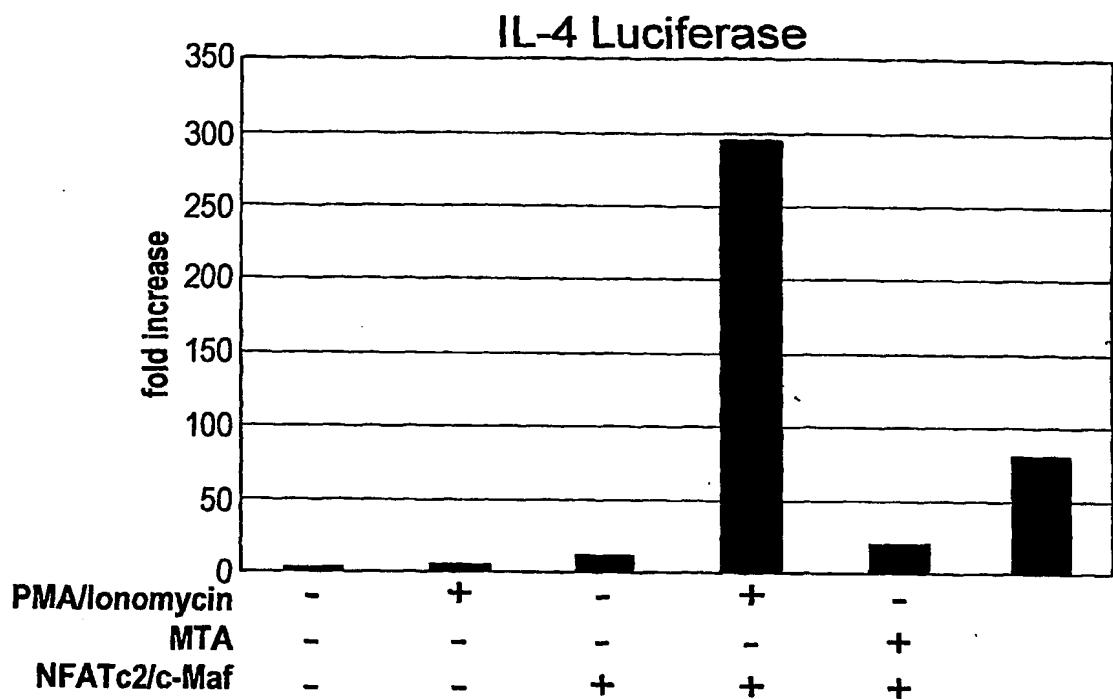


Fig. 11C

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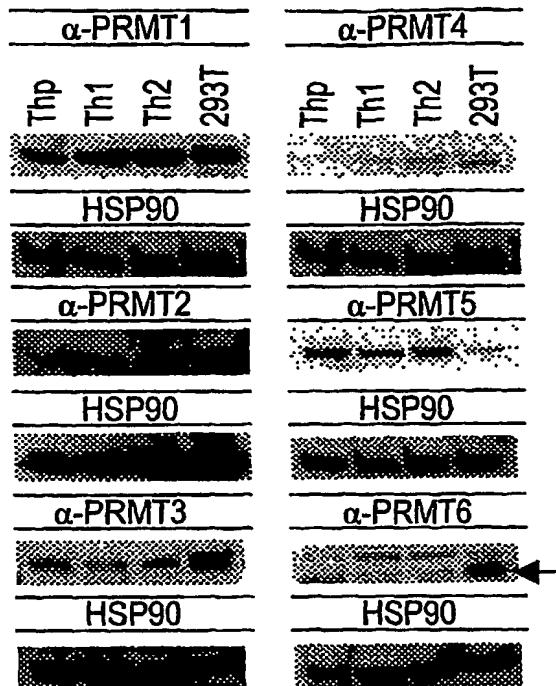


Fig. 12A

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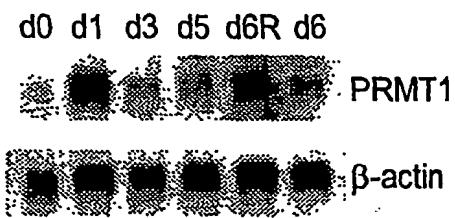


Fig. 12B

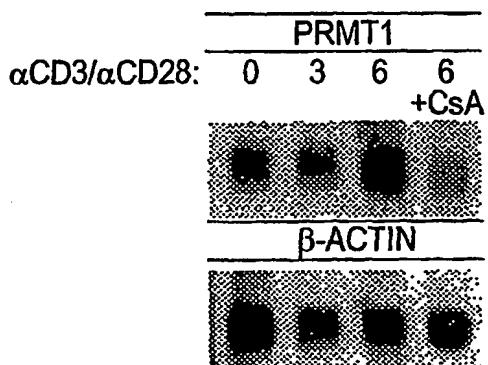
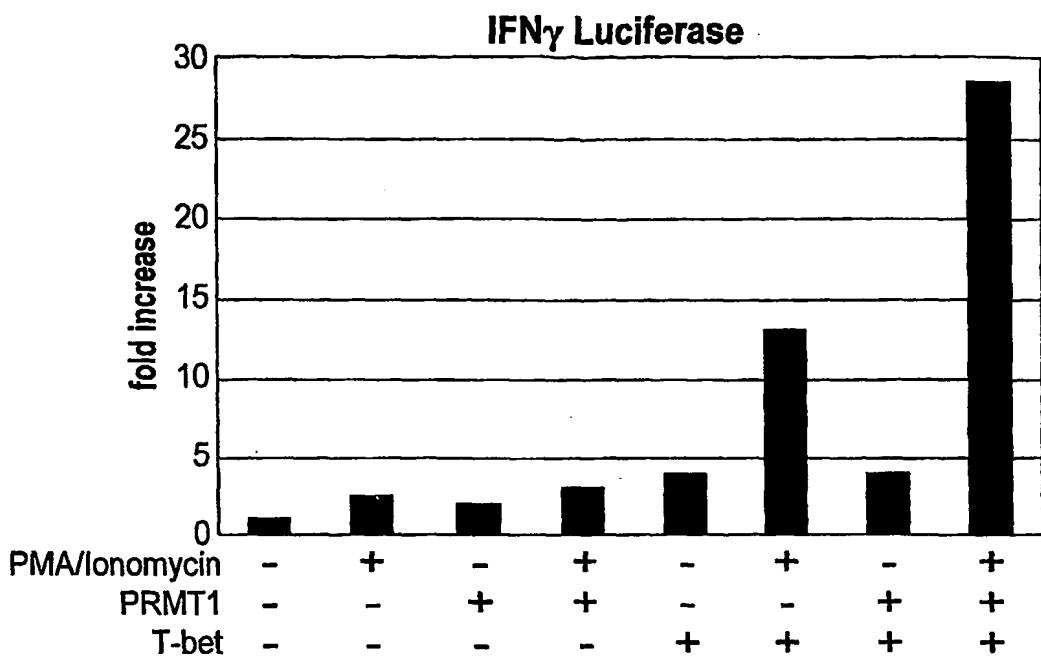
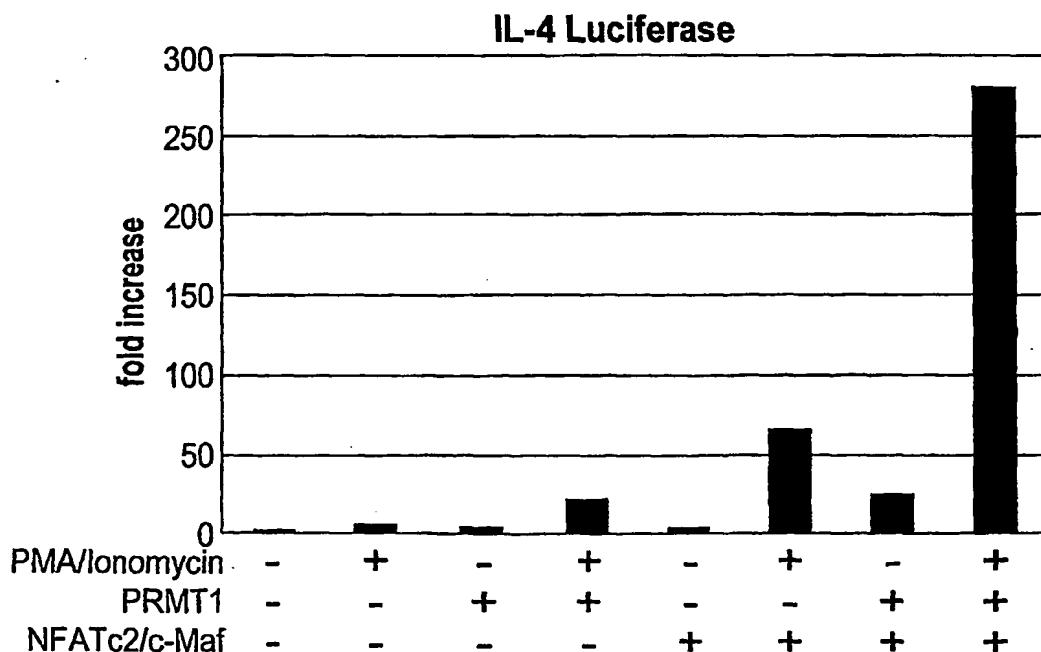


Fig. 12C

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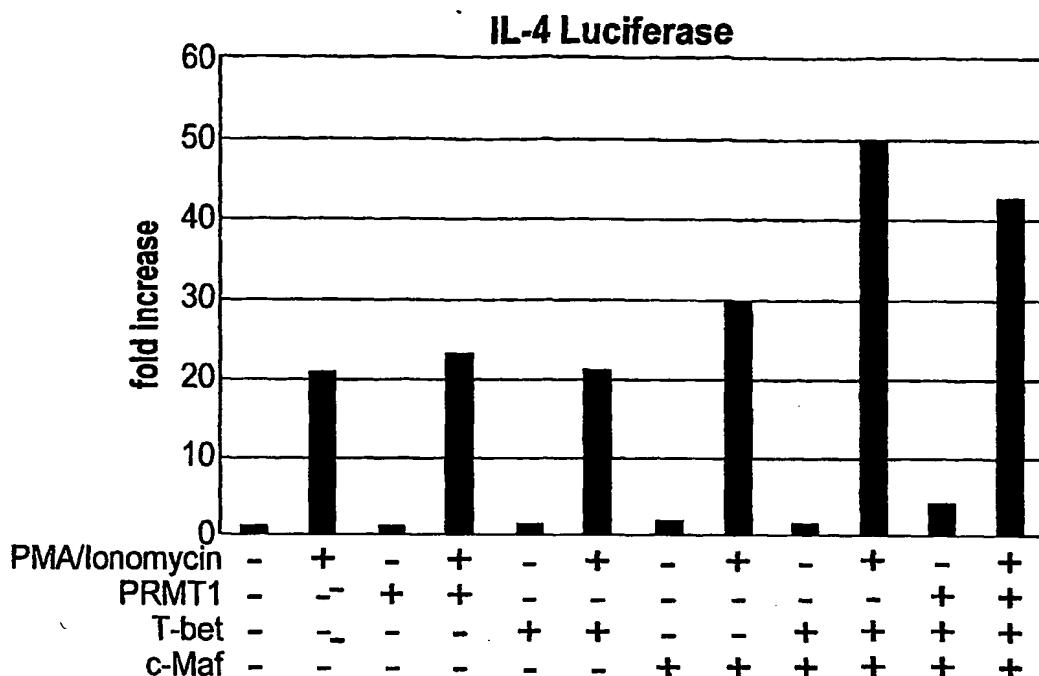
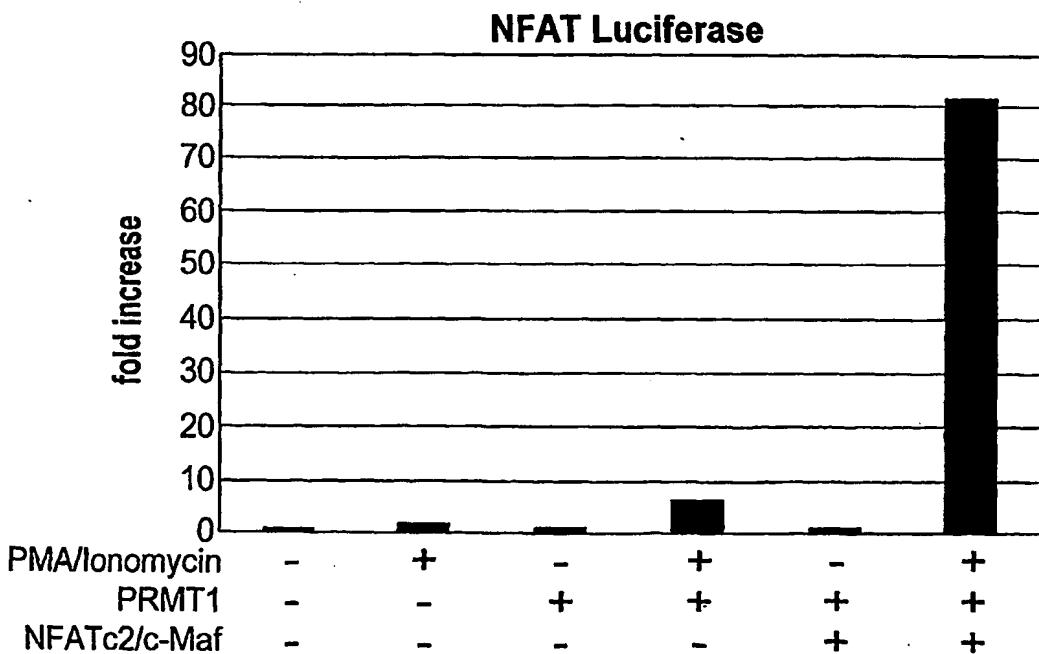
*Fig. 13A*

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Fig. 13B

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*Fig. 13C*

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Fig. 13D

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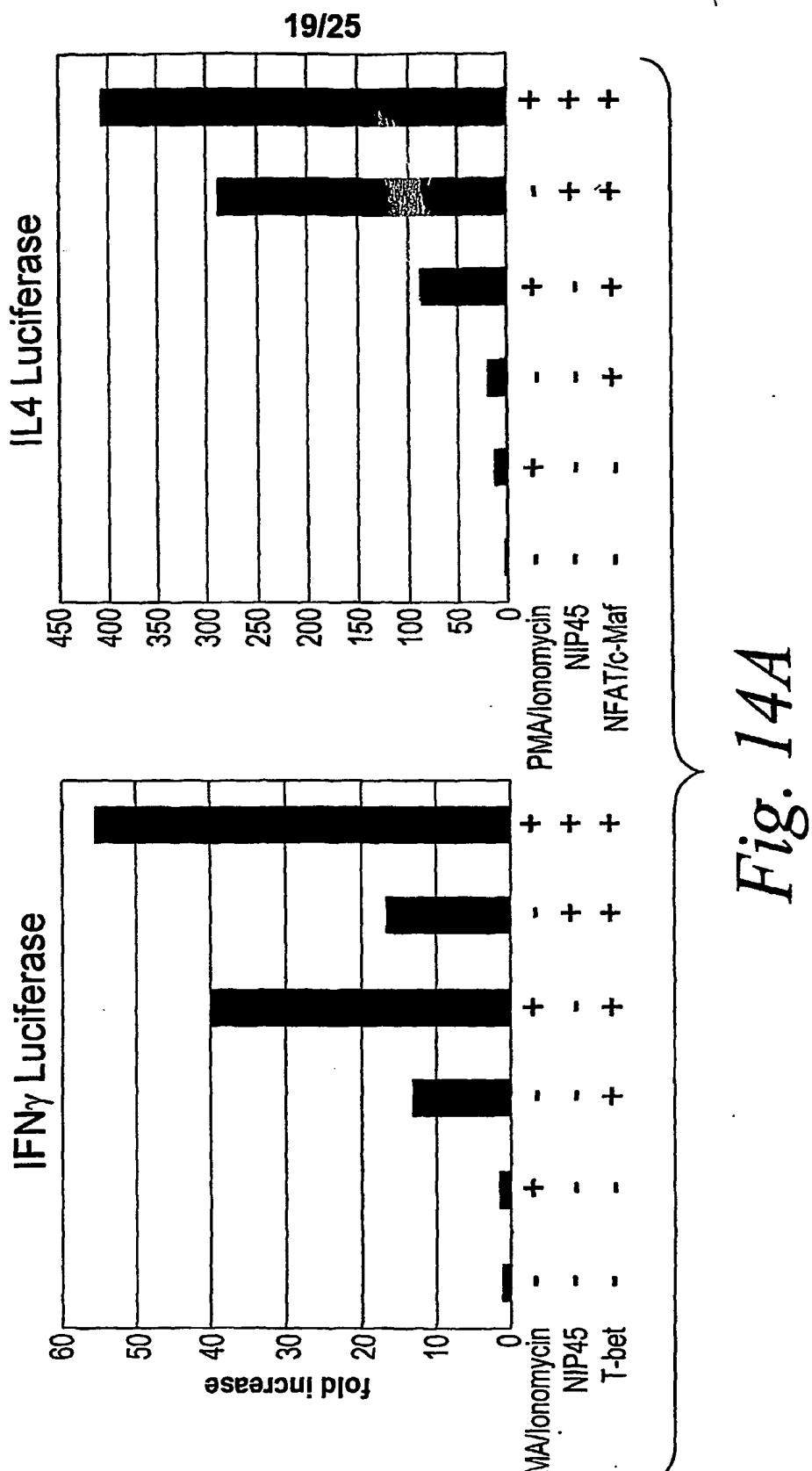
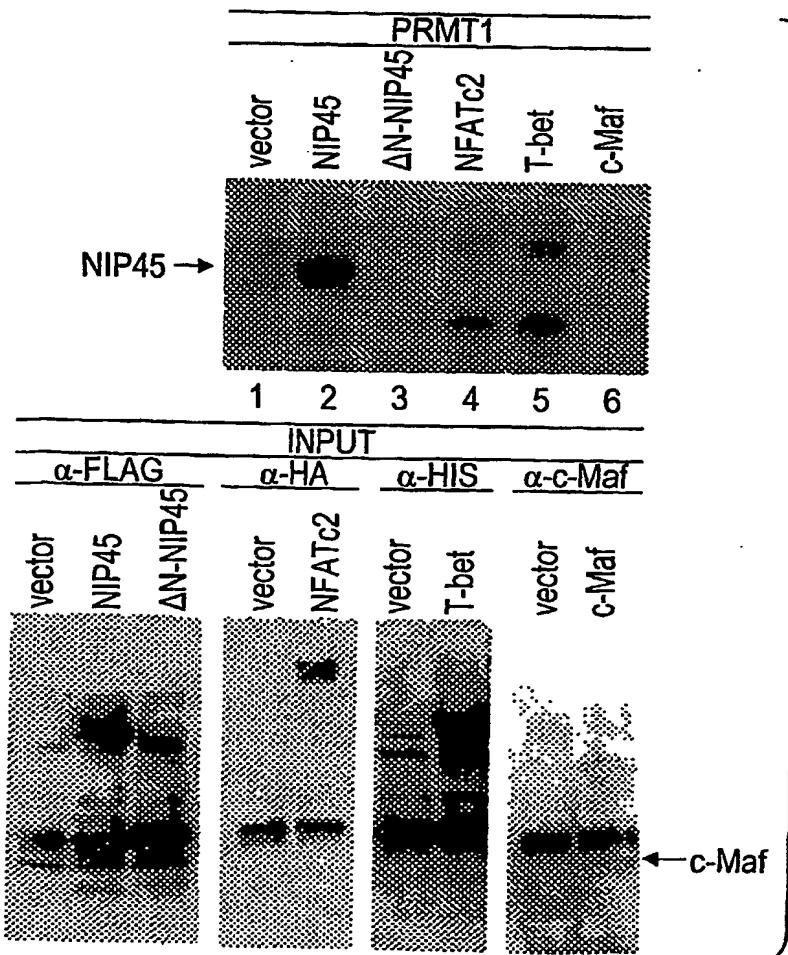


Fig. 14A

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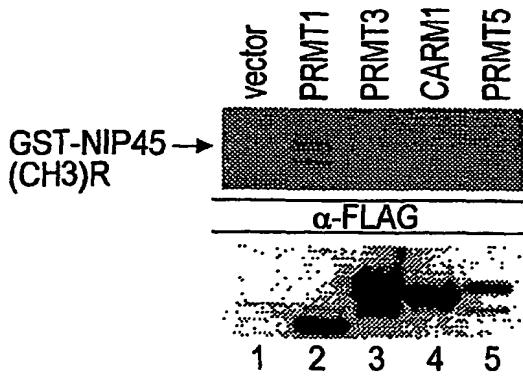
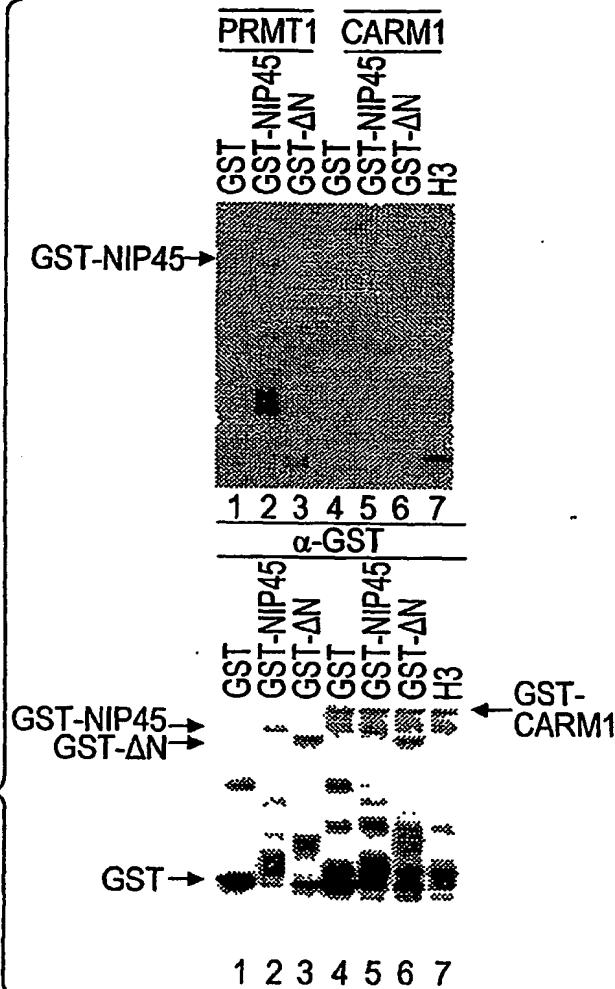
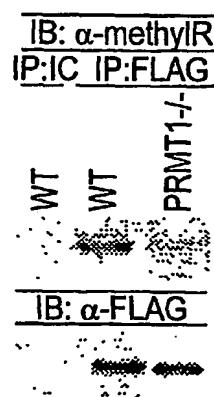
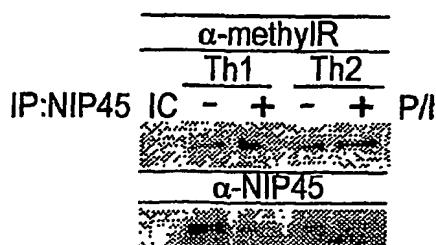
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 APAKPEQDSDSDSEGAAEGPAGAPRTLVRLLLLL
 LDPGEAPVVPVYSGKVQSSLNLIPDNSSLLKLCPSE
 PEDEADLTNSGSSPSEDDALPSGSPWRKKLRKKCE
 KEEKKMEEFPDQDISPLPQPSSRNKSRKHTEALQKL
 REVNKRLQDLRSCLSPKQHQSPALQSTDDEVVLVE
 GPVLPQSSRLFTLKIRCRADLVRVPVRMSEPLQNWW
 DHMANHLGVSPNRIILLFGESELSPTATPSTLKGVA
 DIIDCVVLAASSSEATETSQELRLRVQGKEKHQMLEIS
 LSPDSPLKVLMSHYEEAMGLSGHKLSFFFDTKLS
 GKELPADLGLESQDIEWWG

Fig. 14B*Fig. 14C*

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*Fig. 15A**Fig. 15B**Fig. 15C**Fig. 15D*

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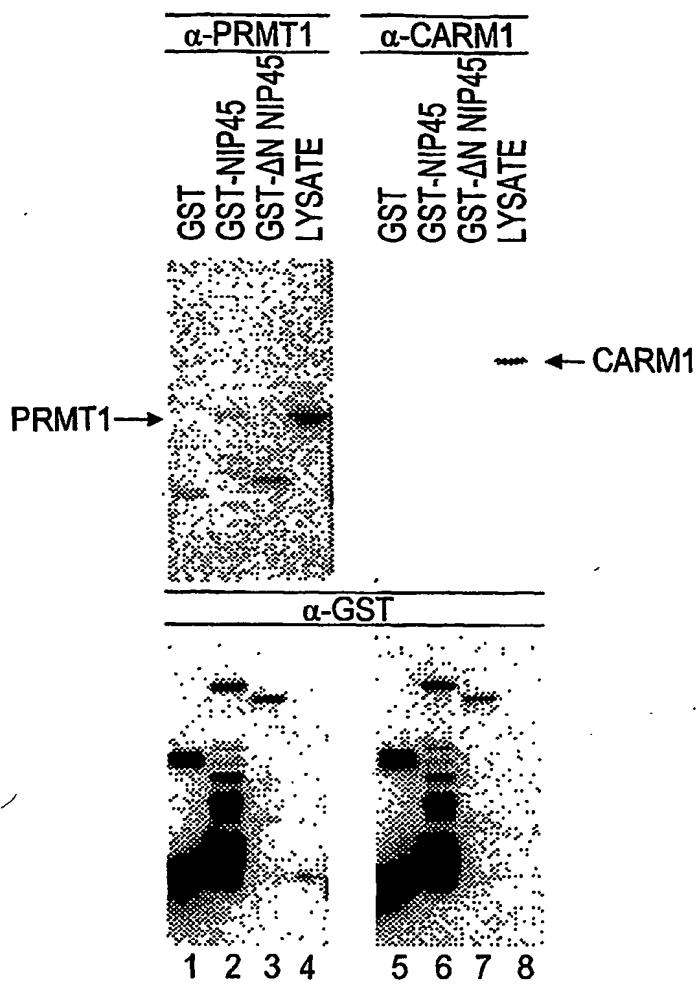


Fig. 16A

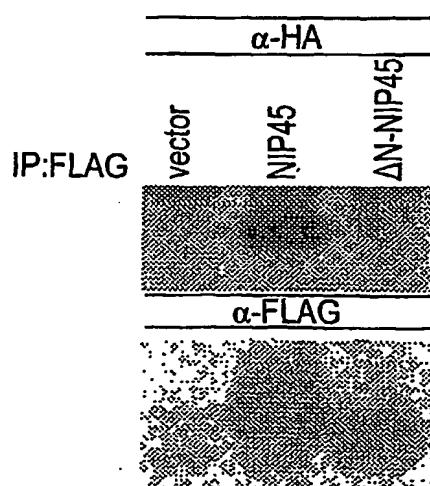


Fig. 16B

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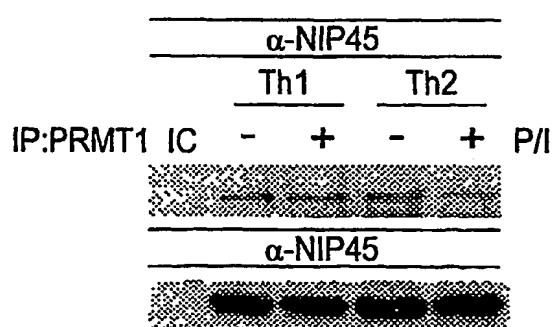
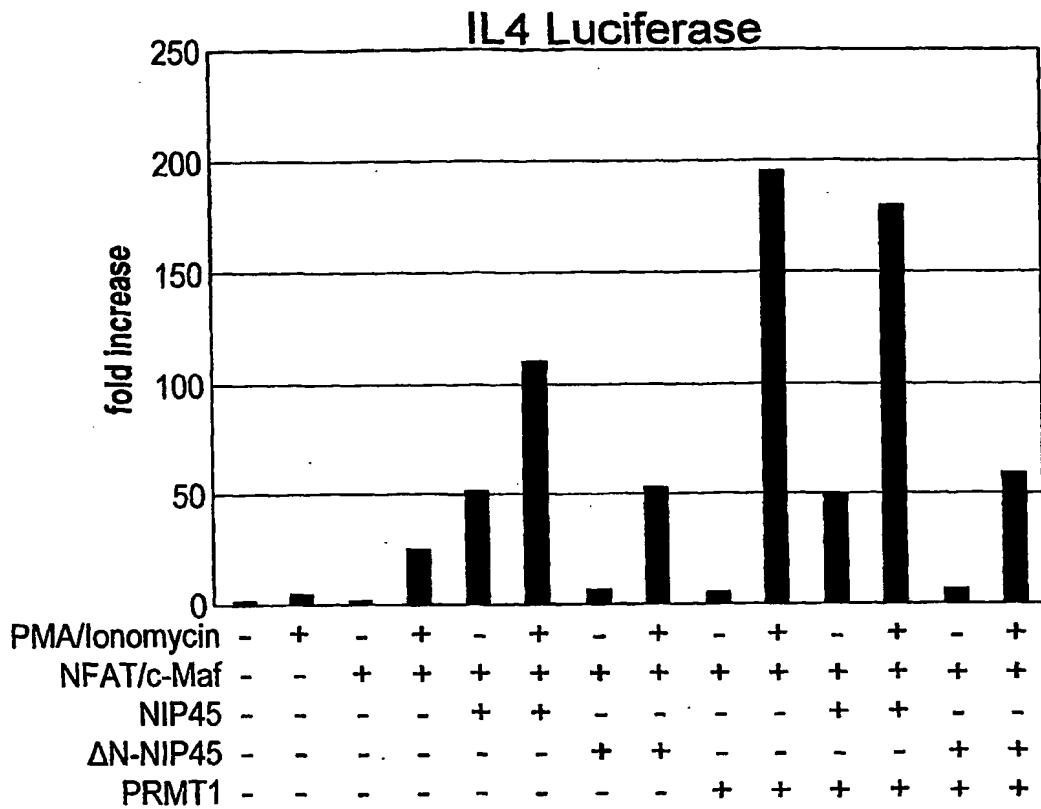
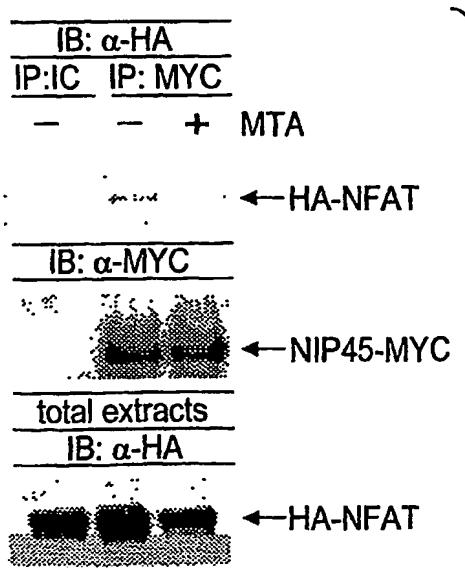


Fig. 16C

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*Fig. 17A**Fig. 17B*

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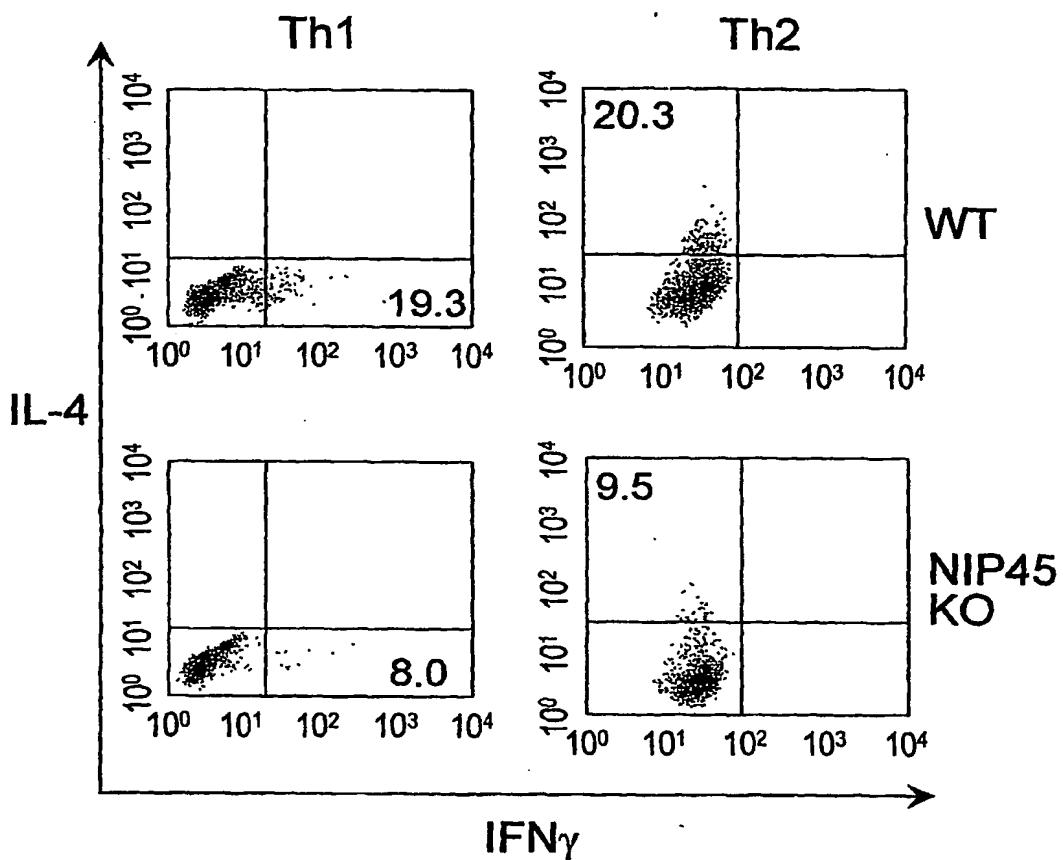


Fig. 18A

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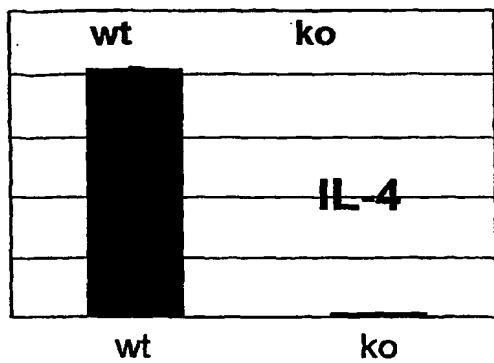


Fig. 18A

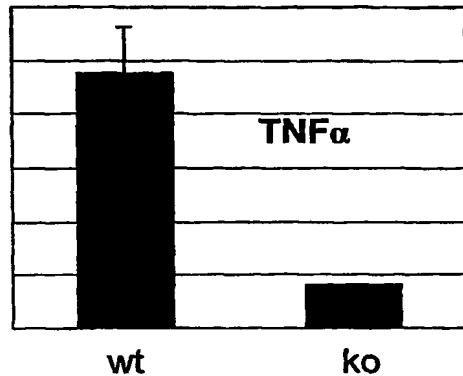


Fig. 18B

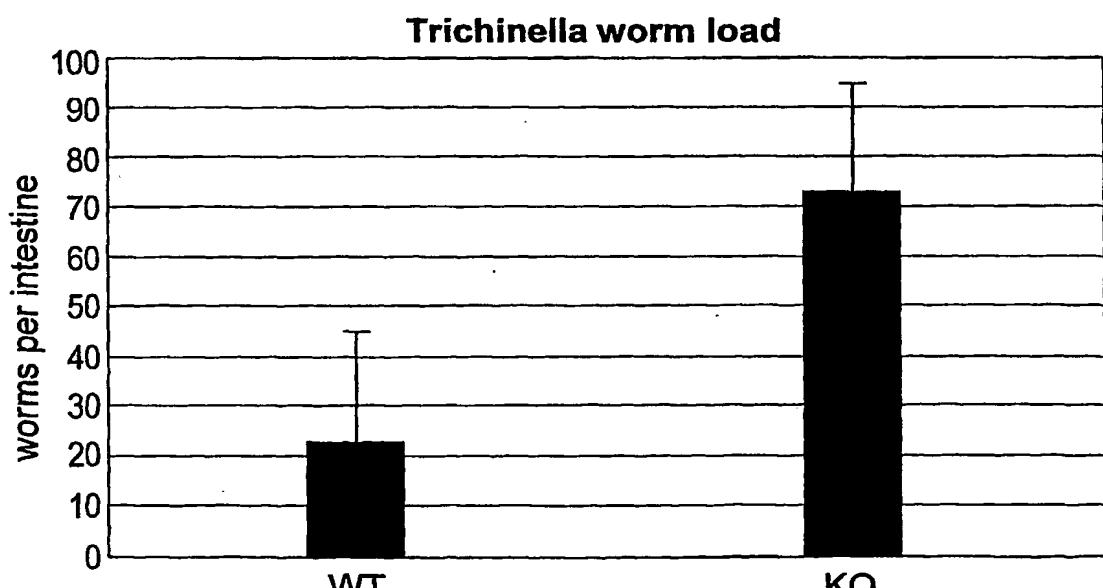


Fig. 18C

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